

RESOURCE ASSESSMENT TRAWL SURVEY

The *Marine Fisheries* trawl survey provides information for many uses including environmental reviews and groundfish assessments. It is critical to the integrity of the survey that we maintain access to sampling sites. Because of admirable cooperation during the last several years from fixed gear fishermen, we have accomplished our sampling goals and avoided costly gear conflicts.

We ask that all fixed gear fishermen review the attached table of station location details and the accompanying figure, which plots the general locations of all selected sample sites. We request that all fixed gear be kept clear of station locations (1.5 n. mi. diameter circle - center point reported in table) for the indicated periods. We will make every attempt to complete stations during the assigned period to minimize inconvenience to fixed gear fishermen. Fishermen can contact the R/V Gloria Michelle on VHF channels 13 or 16 to determine the updated daily schedule. In the event of a delay due to weather, we will resume our schedule as soon as working conditions are safe.

As reported in the past, the DMF Director is prepared to attach restrictions to permit renewals (under 322 CMR 7.01 (7)) mandating that fixed gear not be set on designated trawl survey sites for the dates stipulated. It remains our hope that this action will be unnecessary.

Personnel aboard the NOAA R/V Gloria Michelle (65' western rigged steel stern trawler with a blue hull and white deckhouse) will carefully check each site for marked gear by cruising along a selected tow path at least once before the net is set. Undertaken at 2.5 knots, twenty-minute tows cover approximately 0.8 n mi., generally along a depth contour. We encourage communicating helpful information to the R/V officers (via channels 13 or 16).

Massachusetts Division of Marine Fisheries - 2004 Spring Trawl Survey Station Locations

North and East of Cape Cod

<u>General Location</u>	<u>General Location</u>	<u>Depth</u>	<u>Range of Dates</u>	<u>Latitude</u>	<u>Center of Tow Area Longitude</u>	<u>Loran</u>
East of Cape Cod	Nauset Beach Light	0-30'	10 - 12 May	41°52.6	69°57.0'	13784.5/44018.0
	NE of Highland Light	0-30'	10 - 12 May	42°02.9'	70°03.6'	13773.5/44088.5
	SE of Nauset Harbor	31-60'	10 - 12 May	41°47.4'	69°55.1'	13797.5/43985.5
	E of Chatham Harbor	31-60'	10 - 12 May	41°43.5'	69°54.1'	13809.5/43960.0
	E of Wellfleet	61-90'	10 - 12 May	41°58.1'	69°58.1'	13765.0/44052.0
	NE of Nauset Harbor	91-120'	10 - 12 May	41°49.7'	69°53.5'	13778.0/43996.5
	N of Peaked Hill Bar	91-120'	10 - 12 May	42°06.1'	70°09.7'	13795.0/44116.5
	N of Race Point	121-180'	10 - 12 May	42°05.6'	70°13.5'	13819.5/44119.5
	NE of Highland Light	121-180'	10 - 12 May	42°04.7'	70°01.3'	13752.0/44095.0
Cape Cod Bay	Humarock	0-30'	3 - 11 May	42°08.0'	70°40.9'	13976.0/44179.0
	Sagamore Beach	0-30'	3 - 11 May	41°48.7'	70°31.5'	14006.5/44047.5
	Sandy Neck	0-30'	3 - 11 May	41°47.0'	70°21.8'	13959.5/44005.5
	Plymouth Bay	31-60'	3 - 11 May	41°58.9'	70°35.1'	13983.0/44115.5
	E of Center Hill Point	31-60'	3 - 11 May	41°51.5'	70°29.7'	13983.0/44061.5
	N of Barnstable Harbor	31-60'	3 - 11 May	41°47.7'	70°15.5'	13915.0/44017.0
	E of Center Hill Point	61-90'	3 - 11 May	41°51.3'	70°24.7'	13954.0/44052.5
	E of Center Hill Point	61-90'	3 - 11 May	41°50.3'	70°22.7'	13947.0/44043.5
	N of Sandy Neck	61-90'	3 - 11 May	41°47.0'	70°21.8'	13956.0/44022.5
	NE of Manomet Point	91-120'	3 - 11 May	41°58.3'	70°30.7'	13958.5/44105.0
	NE of Manomet Point	91-120'	3 - 11 May	41°57.2'	70°28.8'	13952.0/44095.0
	E of Center Hill Point	91-120'	3 - 11 May	41°51.9'	70°21.9'	13934.5/44052.0
	NE of Manomet Point	121-180'	3 - 11 May	41°58.2'	70°26.7'	13935.5/44097.5
	E of Rocky Point	121-180'	3 - 11 May	41°56.5'	70°23.8'	13925.0/44082.5
	E of Rocky Point	121-180'	3 - 11 May	41°57.2'	70°21.1'	13905.0/44082.5
	S of Billingsgate Island	0-30'	3 - 11 May	41°49.7'	70°05.6'	13848.5/44014.0
	SW of Billingsgate Shoal	31-60'	3 - 11 May	41°48.1'	70°10.8'	13885.5/44012.0
	NW of Billingsgate Shoal	31-60'	3 - 11 May	41°53.5'	70°09.2'	13851.5/44042.5
	E of Griffin Island	61-90'	3 - 11 May	41°56.2'	70°08.6'	13835.0/44057.0
	SE of Long Point	61-90'	3 - 11 May	41°00.5'	70°08.4'	13814.0/44082.0
	NW of Billingsgate Shoal	91-120'	3 - 11 May	41°53.4'	70°16.2'	13894.0/44052.0
	NW of Billingsgate Shoal	91-120'	3 - 11 May	41°56.6'	70°13.7'	13864.0/44067.5
	SW of Long Point	121-180'	3 - 11 May	42°00.2'	70°13.3'	13844.5/44087.5
	SW of Race Point	121-180'	3 - 11 May	41°01.8'	70°19.6'	13874.0/44107.5
	W of Race Point	180+	3 - 11 May	42°04.0'	70°18.0'	13854.5/44117.5
	W of Race Point	180+	3 - 11 May	42°04.2'	70°23.0'	13884.0/44127.0
Cape Ann and North	Salisbury Beach	0-30'	6 - 10 May	42°50.5'	70°48.7'	13809.0/44429.0
	Castle Neck	0-30'	6 - 10 May	42°41.7'	70°44.6'	13830.5/44376.0
	E of Plum Island	31-60'	6 - 10 May	42°46.5'	70°47.1'	13821.0/44405.5
	E of Plum Island	61-90'	6 - 10 May	42°46.8'	70°44.4'	13801.5/44402.5
	W of Halibut Point	61-90'	6 - 10 May	42°41.9'	70°39.2'	13794.5/44366.5
	NW of Halibut Point	91-120'	6 - 10 May	42°42.3'	70°38.6'	13788.0/44367.5
	N of Halibut Point	121-180'	6 - 10 May	42°44.0'	70°39.2'	13783.0/44377.5
	N of Dry Salvages	121-180'	6 - 10 May	42°41.5'	70°34.0'	13763.0/44354.5
	E of Thacher Island	121-180'	6 - 10 May	42°38.3'	70°32.8'	13772.0/44335.5
	SE of Thacher Island	>180'	6 - 10 May	42°36.4'	70°32.8'	13783.0/44325.5
	E of Thacher Island	>180'	6 - 10 May	42°38.0'	70°31.6'	13767.0/44331.5
Massachusetts Bay	Strawberry Ledge	0-30'	6 - 10 May	42°17.6'	70°52.2'	14002.0/44256.0
	Nahant Bay	0-30'	6 - 10 May	42°27.1'	70°55.1'	13974.0/44315.5
	N of The Grampuses	31-60'	6 - 10 May	42°17.2'	70°48.4'	13980.0/44247.0
	Nahant Bay	31-60'	6 - 10 May	42°26.6'	70°54.5'	13972.5/44312.0
	S of Nahant	31-60'	6 - 10 May	42°24.5'	70°56.2'	13994.0/44303.5
	Harding Ledge	31-60'	6 - 10 May	42°18.2'	70°50.5'	13989.0/44256.5
	N of The Grampuses	61-90'	6 - 10 May	42°18.6'	70°48.2'	13971.0/44254.5
	Nahant Bay	61-90'	6 - 10 May	42°26.8'	70°53.0'	13961.5/44309.5
	N of Stellwagen Ledges	91-120'	6 - 10 May	42°18.1'	70°43.3'	13942.0/44243.0
	NE of Point Allerton	91-120'	6 - 10 May	42°23.3'	70°49.2'	13954.5/44283.0
	S of Great Pig Rocks	91-120'	6 - 10 May	42°26.3'	70°50.8'	13950.0/44303.5
	E of Salem Channel	91-120'	6 - 10 May	42°32.9'	70°43.6'	13870.0/44326.5
	S of Tinkers Ledge	121-180'	6 - 10 May	42°27.4'	70°48.5'	13930.0/44305.0
	SE of Tinkers Ledge	121-180'	6 - 10 May	42°27.7'	70°43.6'	13896.0/44297.5
	E of Newcomb Ledge	121-180'	6 - 10 May	42°30.9'	70°43.0'	13876.0/44314.0
	Sat. Night Ledge	121-180'	6 - 10 May	42°31.4'	70°40.8'	13859.5/44312.5
	SE of Gloucester Harbor	121-180'	6 - 10 May	42°32.7'	70°36.7'	13827.0/44312.5
	Dumping Ground	121-180'	6 - 10 May	42°22.6'	70°41.7'	13910.5/44265.5
	SE of Sat. Night Ledge	>180'	6 - 10 May	42°29.4'	70°38.7'	13856.5/44298.0
	SE of Sat. Night Ledge	>180'	6 - 10 May	42°27.2'	70°38.1'	13864.0/44284.5

**Mass. Division of Marine Fisheries
2004 Spring Trawl Survey Stations**

